

Converting Colors

$Y_{xy}(31.8622, 0.3159, 0.2440)$

Have a look what the booklet for
Yxy(31.8622, 0.3159, 0.2440)
contains.

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Color

Yxy(31.9128, 0.3157, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	C582C6
RGB	197, 130, 198
RGB Percent	77%, 51%, 78%
CMY	0.2273, 0.4902, 0.2236
CMYK	0.00, 0.34, 0.00, 0.22
HSL	299°, 37%, 64%
HSV	299°, 34%, 78%
XYZ	41.2060, 31.9128, 57.4039
YIQ	157.7850, 18.1040, 35.3520

Conversions

Conversions Part 2

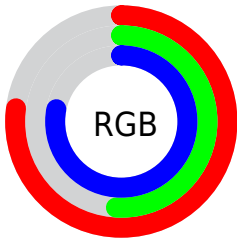
Format	Color
R_{YB}	197, 130, 198
Decimal	12944070
CIE _{Lab}	63.27, 36.74, -24.89
CIE _{LCh}	63, 44.379, 325.878
Yxy	31.9128, 0.3157, 0.2445
Android (android.graphics.Color)	4291134150 (0xFFC582C6)
YUV	157.7850, 19.8260, 34.3916
Hunter-Lab	56.4914, 31.3416, -20.7037

Details

The Yxy color **31.9128, 0.3157, 0.2445** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.8131, 0.3086, 0.4304**, and the grayscale version is **33.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **13.3564, 0.3148, 0.2215** is the 20% darker color. If you saturate the color by 10%, you get **27.1074, 0.3164, 0.2214**, and if you desaturate by 10%, it is **37.7344, 0.3149, 0.2690**.

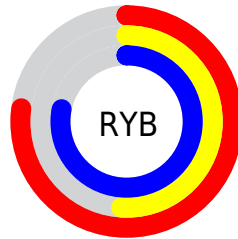
Distribution



Red (77%)

Green (51%)

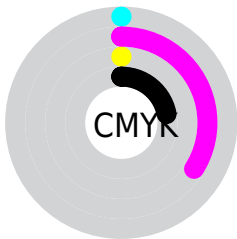
Blue (78%)



Red (77%)

Yellow (51%)

Blue (78%)

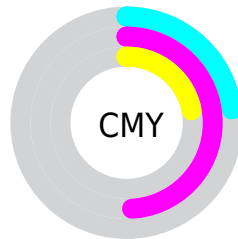


Cyan (0%)

Magenta (34%)

Yellow (0%)

Black (22%)



Cyan (23%)


Magenta (49%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9128, 0.3157, 0.2445 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.9128, 0.3157, 0.2445 by changing the saturation by 10% instead.


 31.9128, 0.3157,
0.2445

 31.9128, 0.3157,
0.2445


310.7218, 0.3153,
0.2863


 21.2949, 0.3154,
0.2343


 62.6744, 0.3158,
0.2595

 13.3397, 0.3149,
0.2214


 83.5868, 0.3158,
0.2652

 7.6629, 0.3138,
0.2046


 108.6996, 0.3157,
0.2700

 3.8800, 0.3116,
0.1819

138.3970, 0.3156,
0.2742

 1.6067, 0.3067,
0.1499

173.0636, 0.3155,
0.2778

 0.3621, 0.3011,
0.0834

213.0837, 0.3155,


 0.0000, 0.1688,


0.2810


0.0000

258.8416, 0.3154,
0.2838


 0.0000, 0.0000,
0.0000


 31.9128, 0.3157,
0.2445

 31.9128, 0.3157,
0.2445


 27.1074, 0.3164,
0.2214


 37.7344, 0.3149,
0.2690

 23.2555, 0.3170,
0.2005


 44.6216, 0.3140,
0.2939


 20.2945, 0.3174,
0.1828


 52.6257, 0.3131,
0.3186


 18.1520, 0.3177,
0.1690

 61.7934, 0.3122,
0.3423

 16.7448, 0.3177,
0.1595

 72.1688, 0.3113,
0.3647


 15.9717, 0.3176,
0.1541

 83.7938, 0.3105,
0.3856

 15.7068, 0.3174,
0.1522

 87.7348, 0.3104,
0.3918

 87.7728, 0.3105,
0.3918

 87.8108, 0.3107,
0.3917

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9128, 0.2509, 0.2237



31.9128, 0.3157, 0.2445



31.9128, 0.3873, 0.2828

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.9128, 0.3157, 0.2445



31.9128, 0.4224, 0.4322



31.9128, 0.1999, 0.3053

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.9128, 0.3157, 0.2445



46.8131, 0.3086, 0.4304

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.9128, 0.2373, 0.3786



31.9128, 0.3157, 0.2445



31.9128, 0.3653, 0.4579

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.9128, 0.3157, 0.2445



31.9128, 0.4515, 0.3847



31.9128, 0.2975, 0.4403



31.9128, 0.1902, 0.2512

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.9128, 0.3157, 0.2445



31.9128, 0.4259, 0.3148



31.9128, 0.2975, 0.4403



31.9128, 0.2093, 0.3287

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.9142, 0.3157, 0.2445



84.7281, 0.3136, 0.3043



25.0879, 0.2516, 0.2293



17.7119, 0.3138, 0.3008



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9142, 0.3157, 0.2445



50.1600, 0.3162, 0.2275



30.6877, 0.3514, 0.2833



10.8088, 0.3136, 0.3062



10.2197, 0.3175, 0.1523



0.4864, 0.3182, 0.1527

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.6039, 0.3917, 0.3280



45.4808, 0.4171, 0.3278



47.7651, 0.2864, 0.3801



10.6393, 0.3287, 0.3287



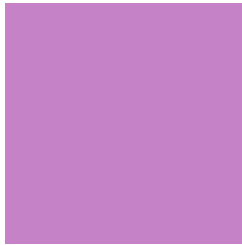
7.8127, 0.6384, 0.3290



0.3708, 0.6322, 0.3256

Previews

White Background



This preview shows how the Yxy color 31.9128, 0.3157, 0.2445 looks on a white background.

Color Contrast Check

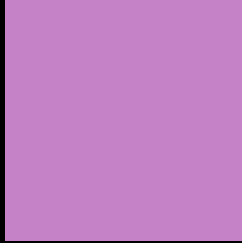
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.9128, 0.3157, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

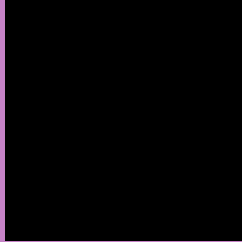
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9128, 0.3157, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 31.9128, 0.3157, 0.2445.



This preview shows how white text looks on a background with the Yxy color 31.9128, 0.3157, 0.2445.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.9128, 0.3157, 0.2445

Protanopia

32.0566, 0.2481, 0.2407

Deuteranopia

32.2313, 0.2723, 0.2673



Tritanopia

32.0345, 0.3582, 0.3155

Trichromacy



Original Color

31.9128, 0.3157, 0.2445

Protanomaly

31.3671, 0.2694, 0.2406

Deuteranomaly

31.5844, 0.2869, 0.2575

Tritanomaly

31.7358, 0.3428, 0.2880

Monochromacy



Original Color

31.9128, 0.3157, 0.2445

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.9676, 0.3134, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9128, 0.3157, 0.2445 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(197, 130, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 130, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(197, 130, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 130, 198) }
```

Border

The CSS property to change the border of an element to Yxy 31.9128, 0.3157, 0.2445 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 130, 198) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(197, 130, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(197, 130, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 130, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 130, 198);  
box-shadow:4px 4px 4px 4px rgb(197, 130,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9128, 0.3157, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 130, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(197,  
130, 198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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